

H 7675

to

H 7714.

Station No. H 7675

Date: Nov. 3

1916

Hour: 7:00 P . M. to . M.

Position: Lat.  $32^{\circ} 46' 55'' N$  Long.  $118^{\circ} 15' 15'' W$   
Chart 5100 C & G S.

**Locality:**

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

### TEMPERATURES

[illegible]

## CURRENTS

[illegible]

**Color of water:**

**Transparency:**

REMARKS: *Under way*

## NETS, ETC., USED

[illegible]

11-5314

## NOTES



## NETS, ETC., USED

[illegible]

11—5314

## NOTES

191

Hour: 8:00 P. M. to . M.

Position: Lat.  $32^{\circ} 46' 10'' N$  Long.  $118^{\circ} 10' 45'' W$   
Chart 5100 C & GS.

Locality:

Depth: Bottom: Sample:

Wind: Direction, \_\_\_\_\_ Force, \_\_\_\_\_

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water: Transparency:

REMARKS: Under way

## NETS, ETC., USED

[illegible]

11—5314

## NOTES

Date:

1912

. M.

Chart 5100 C & G S.

**Locality:**

**Bottom:**

Depth: \_\_\_\_\_ Bottom: \_\_\_\_\_ Sample: \_\_\_\_\_

Force,

Sky:

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

**Transparency:**

11—5314



### NETS, ETC., USED

[illegible]

11—5314

## NOTES

Station No. H 7679

Date: Nov. 3

1916

Hour: 9:00 P. M. to . M.

Position: Lat.  $32^{\circ} 45' 25'' N$  Long.  $118^{\circ} 6' 5'' W$   
Chart 5100 C & G S.

**Locality:**

Depth: \_\_\_\_\_ Bottom: \_\_\_\_\_ Sample: \_\_\_\_\_

Wind: Direction, \_\_\_\_\_ Force, \_\_\_\_\_

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

**Color of water:**

**Transparency:**

REMARKS: Much rain

# NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

1916

Hour: 9:30 P. M. to . M.

Position: Lat.  $22^{\circ} 45' 0'' N$  Long.  $118^{\circ} 3' 40'' W$   
Chart 5700 CGCS.

Locality:

Depth: 10.00 m Bottom: 10.00 m Sample: 10.00 m

Wind: Direction, \_\_\_\_\_ Force, \_\_\_\_\_

Sea:  Sky:

## TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *Under way*

### NETS, ETC., USED

[illegible]

11—5314

## NOTES

Station No. 4750

Date: Nov. 3

1916

Hour: 10:00 P. M. to . M.

Position: Lat.  $32^{\circ} 14' 35'' N$  Long.  $118^{\circ} 1' 20'' W$   
Chart 5100 C & GS.

**Locality:**

Depth: Bottom: Sample:

Wind: Direction, \_\_\_\_\_ Force, \_\_\_\_\_

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS: *Clear.*

## NETS, ETC., USED

[illegible]

11—5314

## NOTES

1916

. M.

Chair 5100 C & G S.

Locality:

Sample:

Force,

Sky:

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water:

**Transparency:**

11—5314



# NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Station No. H 7683 Date: Nov. 3 1916

Hour: 11:00 P. M. to . M.

Position: Lat.  $32^{\circ} 43' 50'' N$  Long.  $117^{\circ} 56' 40'' W$   
Chart 5700 C & GS.

Locality:

Depth: Bottom: Sample:

Wind: Direction, \_\_\_\_\_ Force, \_\_\_\_\_

Sea: . . . . . Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf.	SV 479	15.5	—	-0.02	15.48		

## CURRENTS

[illegible]

Color of water:

**Transparency:**

REMARKS: *Alouatta palliata* 11-5314

# NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

101 L

. M.

Position: Lat.  $32^{\circ} 43' 25'' N$  Long.  $117^{\circ} 54' 55'' W$   
 Chart 5100 C & G S.

Locality:

Depth: Bottom: Sample:

Wind: Direction, \_\_\_\_\_ Force, \_\_\_\_\_

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *Aluterus rostratus*

### NETS, ETC., USED

[illegible]

11—5304

NOTES











11—5314

## NETS, ETC., USED

[illegible]

11—5314

## NOTES

H 7688

9<sup>00</sup> AM

Nov. 10, 1946

Surf 13.8

SV 42.9

under way.

Long. 119 43 48

C. & G. S.

Lat.  $33^{\circ} 15' 05''$

Chart

5202

cor = -0.02

Constitutional

Figure 1. Schematic diagram of the experimental setup.

See last Page for H 7688

Station No. H 7689

Date: Nov. 10

1916

Hour: 10:55 A. M. to 11:21 A. M.

Position: Lat.  $33^{\circ} 14' 45''$  Long.  $119^{\circ} 43' 00''$   
 to  $33^{\circ} 14' 10''$   $119^{\circ} 41' 50''$   
 Locality: San Nicolas Id.

Depth: 250 fms Bottom: Sample:

Wind: Direction, SW Force, 1

Sea: Sky:

# TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
5	SV 429	13.3		-0.02	13.28	✓	
	NZ 62155 L	57.0		-0.75	56.25		5
	NZ 98256 R	57.0		-0.45	56.55		
10	NZ 71738 L	57.0		-0.7	56.30		2
	NZ 98260 R	56.6		-0.5	56.10		
15	RTR 37572 L	13.50	13.5				4
	NZ 165868 R	13.35	13.6				
20	SV 443 L	13.3	13.2				3
	SV 447 R	13.3	13.2	-0.06	13.24		
25	RTR 150 L	13.2	13.2	-0.12	13.08		1
	SV 815 R	13.2	13.2	-0.06	13.14		

# CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

#4 Not closed tightly  
 #3 " " "

### NETS, ETC., USED

[illegible]

11—5314

## NOTES

~~Superior T. & P. Co.~~

56.40

11 14

56.20

~~107~~ 96: E 1.1 mi.

— 25 —

2

Station No.

H 709

Date:

Nov 10

1916

Hour: 10:26 A. M. to 10:53 A. M.

Position: Lat.

do

Long.

do

Locality: San Nicolas Id.

Depth: 250 mtrs Bottom:

Sample:

Wind: Direction,

SW

Force,

1

Sea:

Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Sur							
30	N2 62855	54.5		-1.00	54.5		5
	N2 98256	55.0		-0.5	55.0		
40	N2 71738	54		-0.8	53.20		
	N2 98260	54		-0.5	53.95		2
					54.50		
50	RTR 37572	10.15	12.8				4
	N2 165868	12.5					
60	SV 493	13.3					
	SV 497	9.5	13.1	+1.0	9.6		3
75	RTR 150	9	13.0	-0.0	9.2		
	SV 805	14.0	14.0	+1.0	4.5		1

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

#3 Not closed tightly







## 1

[illegible]

11-5814

## NOTES

956.44.  
10:09:30  
76-20

48.03 CPGS  
15202

816

Station No. *7 7690* Date: *Nov 10* 191*6*

Hour: *2:10 P. M.* to *2:40 P. M.*

*Drifted from*  
Position: Lat. *33° 13' 25"* Long. *119° 39' 40"*  
to *33° 12' 50"* *119° 38' 30"*  
Locality: *San Nicolas Id.*

Depth: *350 M* Bottom: Sample:

Wind: Direction, *W* Force, *1*

Sea: Sky:

# TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>—</i>						
<i>100</i>	<i>N262855</i>	<i>47.1</i>	<i>—</i>	<i>-1.00</i>	<i>46.10</i>		
	<i>N298256</i>	<i>47.1</i>	<i>—</i>	<i>-0.5</i>	<i>46.60</i>		
<i>125</i>	<i>N271738</i>	<i>46.4</i>	<i>—</i>	<i>-0.8</i>	<i>45.6</i>		
	<i>N298260</i>	<i>48.1</i>	<i>—</i>	<i>-0.5</i>	<i>47.6</i>		
<i>150</i>	<i>RTR37572</i>	<i>8.5</i>	<i>17.5</i>		<i>47.50</i>		<i>✓</i>
	<i>NZ165868</i>	<i>5.13</i>	<i>17.3</i>				
<i>175</i>	<i>SV 493</i>	<i>—</i>	<i>13.</i>				<i>✓</i>
	<i>SV 497</i>	<i>8.3</i>	<i>17.</i>	<i>+1.0</i>	<i>8.4</i>		
<i>200</i>	<i>RTR 150</i>	<i>8.25</i>	<i>17.8</i>	<i>00</i>	<i>8.25</i>		<i>1</i>
	<i>SV 805</i>	<i>8.4</i>	<i>13. -</i>	<i>+1.0</i>	<i>8.30</i>		

# CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *Lay to -*

## 10

Description	Depth	TIME		Speed
		Down	Up	

11—5314

## NOTES

Last bottle down 2:15 pm  
 Messenger 2:30  
 2:40

Drifted 5625 1.2 mi.

445

5202

828

1

Station No. *# 7690* Date: *Nov 10* 191*6*

Hour: *2 41* P. M. to *3 29* P. M.

Position: Lat. *do* Long. *do*

Locality: *San Nicolas Id.*

Depth: *350 m* Bottom: Sample:

Wind: Direction, *W* Force, *1*

Sea: Sky:

# TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>21 m</i>	<i>—</i>						
<i>30</i>	<i>N262855</i>	<i>56.1</i>		<i>-.90</i>	<i>55.1</i>		
<i>1</i>	<i>N298256</i>	<i>R 55.8</i>		<i>-.15</i>	<i>55.3</i>		
<i>10</i>	<i>N271738</i>	<i>56.1</i>		<i>-.08</i>	<i>55.20</i>		
	<i>N298260</i>	<i>R 55.9</i>		<i>-.05</i>	<i>55.40</i>		
<i>50</i>	<i>RTR 37572</i>	<i>12.55</i>	<i>13.4</i>				
	<i>12165868</i>	<i>R 12.4</i>	<i>13.2</i>				
<i>1</i>	<i>SV 443</i>	<i>1</i>	<i>12.7</i>				
	<i>SV 497</i>	<i>R 12.3</i>	<i>13.5</i>	<i>+10</i>	<i>12.40</i>		
<i>75</i>	<i>RTR 150</i>	<i>10.9</i>	<i>12.9</i>	<i>00</i>	<i>10.90</i>		
	<i>SV 805</i>	<i>R 10.85</i>	<i>13.0</i>	<i>+10</i>	<i>10.95</i>		

# CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

# NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

## NOTES

3 00

Last bottle down - 2 46 PM  
 Messenger " - 3 01 "  
 Last bottle up - 3 09 "

55.2

C & G S

55.30

5202

1092

Station No. *7690* Date: *Nov* 191*6*

Hour: *3:10* P. M. to *3:35* P. M.

Position: Lat. *do* Long. *do*

Locality: *San Nicolas Id.*

Depth: *500* Bottom: *do* Sample:

Wind: Direction, *W* Force, *1*

Sea: Sky:

# TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>surf</i>		<i>13.8</i>		<i>-0.2</i>	<i>13.76</i>		
<i>5</i>	<i>1262855</i>	<i>1</i>		<i>-8</i>	<i>55.7</i>		
	<i>42165868</i>	<i>R 56.1</i>		<i>-0.48</i>	<i>56.32</i>		
<i>10</i>	<i>1271738</i>	<i>A 56.0</i>		<i>-0.2</i>	<i>55.8</i>		
	<i>42165868</i>	<i>R 55.9</i>					
<i>15</i>	<i>RTN 31572</i>	<i>A</i>	<i>13.1</i>				
	<i>42165868</i>	<i>R</i>	<i>13.1</i>				
<i>20</i>	<i>SV 493</i>	<i>A</i>	<i>13.4</i>				<i># 3</i>
	<i>SV 497</i>	<i>R 17.9</i>	<i>13.5</i>	<i>+1.6</i>	<i>13.0</i>		
<i>25</i>	<i>BTR 150</i>	<i>17.9</i>	<i>13.4</i>	<i>-0.0</i>			
	<i>SV 805</i>	<i>R 17.9</i>	<i>13.4</i>	<i>+1.0</i>	<i>12.95</i>		

# CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

### NETS, ETC., USED

[illegible]

11--5314

## NOTES

Messungen	-	15	
"	-	30	
"	-	35	

56.1

C + G 3  
5202

Station No. *A 7691*

Date: Nov 10 - 16

191

Hour: 5.00 P. M. to . M.

Position: Lat.  $33^{\circ} 13' 35''$  Long.  $119^{\circ} 39' 20''$

Locality: San Nicolas Id.

Depth: Bottom: Sample:

Wind: Direction, *WNW* Force, *1-2*

Sea: Sky:

### TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS:

11—5314

Under way



## NETS, ETC., USED

[illegible]

11—514

## NOTES

Chapman, R. A., & Chapman, J. P. (1968). A new method for the study of the development of thought. *Journal of Abnormal Psychology*, 75, 1-10.

Station No. H 7692

Date: Nov. 10 1916

Hour: 6<sup>00</sup> P . M. to . M.

Position: Lat.  $33^{\circ} 15' 50''$  Long.  $119^{\circ} 42' 00''$

Locality: San Nicolas Id.

Depth: Bottom: Sample:

Wind: Direction, NW Force, 1

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS:

11—5314

under way



Station No. *H 7623*

Date: Nov. 10 1916

Hour: 7:00 P. M. to . M.

Position: Lat.  $33^{\circ} 18' 10''$  Long.  $118^{\circ} 44' 11.7''$

Locality: San Nicolas Id.

Depth: Bottom: Sample:

Wind: Direction, *Calm* Force, *0*

Sea: Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV 429	13.7		-0.02	13.68		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:

11—5314

under way



Station No. H 7694

Date:

1916

Hour: 7<sup>00</sup> a . M. to . M.

Position: Lat.  $33^{\circ} 51' 35''$  Long.  $120^{\circ} 27' 30''$

Locality: San Miguel I.d.

Depth: \_\_\_\_\_ Bottom: \_\_\_\_\_ Sample: \_\_\_\_\_

Wind: Direction, W Force, 1

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV 429	13.5		-0.02	13.48		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:

11—5314



1916

Hour: 8<sup>00</sup> A. M. to . M.

Position: Lat.  $33^{\circ} 51' 15''$  Long.  $120^{\circ} 27' 05''$

Locality: *See* [illegible]

Depth: \_\_\_\_\_ Bottom: \_\_\_\_\_ Sample: \_\_\_\_\_

Wind: Direction, W Force, 1

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV 42.9	13.6		-0.02	13.58		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:

11—5314



## NETS, ETC., USED

[illegible]

11-5314

## NOTES

2025  
5/22

Station No. H 7696

Date: 1/20/77

191 6

Hour: . M. to . M.

Position: Lat. Long.

**Locality:**

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:



Hour: 8:19 A. M. to 9:00 A. M.

Position: Lat. 33° 51' 00" Long. 120° 26' 50"  
to 33° 50' 05" 120° 25' 50"

Locality: San Miguel Id

Depth: 1000 M. Bottom: Sample:

Wind: Direction, Not Force, 1

Sea: Sky:

TEMPERATURES							
Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
	KTR 150	5.4	4	-1.00	4.4		
	SV 805	5.7	9.5	+1.1	5.8		
	NZ 71738	10		-.8	10.8		
	NZ 98260	1					
	KTR 37572	—	9.8				
	NZ 165868	4.6	10.0				
	SV 493	4.1	9.8		4.1		
	SV 497	4.1	10.4	+1.1	4.2	0	
1000 M	NZ 62855	5		-1.00	38.5		
	NZ 98256	1.6		-.51	39.1	0	

CURRENTS						
Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:  
REMARKS: Lay L 11-5314



Station No. 7696 Date: Nov. 11 1916

Hour: 9:20 A. M. to 9:40 A. M.

Position: Lat. do Long. do

Locality: San Miguel Id

Depth: Bottom: Sample:

Wind: Direction, West Force, 1

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
	KTR 150	8.95			8.95		
	SV 805	<del>11.9</del>		<del>-.1</del>	<del>12.0</del>		
	NZ 71738	.0		-.8	11.20		
	NZ 98260	.5		-.5	11.70		
300m	KTR 37572	<del>11.0</del>	9.5				
	NZ 165868	11.0	.7				
400m	SV 493	6.6	0				0
	SV 497	—	3	+.1			
500m	NZ 62855			-1.00	42.1		
	NZ 98256			-.5	42.0		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Long Is.



Station No. *A 7696* Date: *Nov 11* 191*6*

Hour: *9:52* A. M. to *10:40* H. M.

Position: Lat. *do* Long. *do*

Locality: *San Miguel Id*

Depth: Bottom: Sample:

Wind: Direction, *Calm* Force,

Sea: Sky:

# TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>30 m</i>	<i>RTR 150</i>	<i>P 12.1</i>	<i>12.3</i>	<i>00</i>	<i>12.1</i>		
<i>"</i>	<i>SV 805</i>	<i>L 12.1</i>	<i>12.2</i>	<i>+ .1</i>	<i>12.2</i>		
<i>"</i>	<i>N271738</i>	<i>P 53.0</i>	<i>-</i>	<i>- .8</i>	<i>52.20</i>		
<i>"</i>	<i>N271250</i>	<i>- .3</i>					
<i>"</i>	<i>KR 372</i>	<i>12.8</i>					
<i>"</i>	<i>N2165868</i>	<i>10.5</i>					
<i>60 m</i>	<i>SV 493</i>	<i>P 9.9</i>	<i>12.8</i>		<i>9.9</i>		
<i>"</i>	<i>SV 497</i>	<i>L -</i>	<i>12.8</i>	<i>-</i>			
<i>"</i>	<i>N262255</i>			<i>-1.00</i>	<i>48.7</i>		
<i>"</i>	<i>N298256</i>	<i>L 49.7</i>	<i>-</i>	<i>- .5</i>	<i>48.7</i>		

# CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *Exp. to* 11-5314





Station No. 7696 Date: Nov 11 1916

Hour: 10:23 A.M. to 10:50 A.M.

Position: Lat. do Long. do

Locality: San Miguel Id.

Depth: Bottom: Sample:

Wind: Direction, Cal Force, 0

Sea: Sky:

#### TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf.	SV 429	13.6		-0.02	13.58		Stm 4
5 m	RTR 150	13.5	13.5	0.0	13.5		1
	SV 805	13.5	13.5	+0.07	13.57		
	H271738			-75	55.5		2
	H298260	57.0		-5	56.5		
15 m	RTR 37572	11.25	13.4				4
	H245868						
	SV 493			*			
	SV 497		13.4				
	H262555			-1.0	3.3		
	H298256	54.5		-5	54.0		

#### CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Long t. 11-5314

# NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
1st net used 7	1000	7		

11-5314

## NOTES

Last bottle thrown 10:27 am  
 messenger 10:41 a horse at 10:42

C P G

Station No. *H 7697*

Date: Nov. 11

191 ✓

Hour: 130 P . M. to . M.

Position: Lat.  $33^{\circ} 50' 40''$  Long.  $120^{\circ} 22' 45''$

Locality: San Miguel 2d.

Depth: Bottom: Sample:

Wind: Direction, SE Force, 1

Sea: Sky:

### TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:

under way



1916

Sea: Sky:

11—5314

Under way



Station No. *H 7699* Date: *7/10/11*

Date:

1916

Hour: 3<sup>30</sup> P . M. to . M.

Position: Lat.  $33^{\circ} 52' 20''$  Long.  $120^{\circ} 10' 15''$

Locality: Santa Rosa

Depth: \_\_\_\_\_ Bottom: \_\_\_\_\_ Sample: \_\_\_\_\_

Wind: Direction, SE Force, 2

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	S. 429	14.1		-0.07	14.00		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:

11—5314

under way





Date: Nov, 1 1911

Hour: 4<sup>10</sup> P. M. to

Position: Lat.  $33^{\circ}53'20''$  Long.  $120^{\circ}6'15''$

Locality: Santa Rosa Id.

Depth: \_\_\_\_\_ Bottom: \_\_\_\_\_ Sample: \_\_\_\_\_

Wind: Direction, SE Force, 2

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV 429	14.00		-0.02	13.98		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:

11—5314

Monday 10 Aug

## NETS, ETC., USED

[illegible]

11-5314

NOTES

C. 11 15 5  
5202

Station No. H 7701 Date: Nov 12 1916

Hour: 7<sup>30</sup> A . M. to . M.

Position: Lat.  $33^{\circ} 53' 00''$  Long.  $120^{\circ} 5' 15''$

Locality: Santa Rosa, D.C.

Depth: Bottom: Sample:

Wind: Direction, *Calm* Force, *0*

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water:

**Transparency:**

REMARKS:

11-5314

under way



Station No. H 7702

Date: 11 12 1916

1916

Hour: 8:45 A.M. to 9:14 A.M.

Position: Lat. 33° 46' 25" Long. 120° 6' 00"  
33° 46' 15" 120° 5' 30"

Locality: Santa Rosa Id.

Depth: 335 mtrs Bottom: Sample:

Wind: Direction, W.N.W Force, 1

Sea: Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf		13.5					
100	N271738	49		-.8	48.20		2
	N298260	49		-.5	48.5		
125	RTR 150	10.9	10.9	00	8.92		1
	SV 805	8.9	11.	+1.	9.0		
150	SV 493	11.9	11.9				3
	SV 497	8.9	11.7				
200	N262855	47		-1.00	47.00		5
	N298256	47		-.5	47.5		
250	RTR.37572	10.6	10.6				4
	N2.165868	10.5	10.5				

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314



Station No. *H 7702*Date: *Aug 12* 191*6*Hour: *9<sup>15</sup>* A. M. to *9<sup>42</sup>* A. M.Position: Lat. *do* Long. *do*Locality: *do*Depth: *335 mtrs* Bottom: Sample:Wind: Direction, *W.N.W* Force, *1*

Sea: Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>30</i>	<i>NZ 71738</i>	<i>53.7</i>					
	<i>NZ 98260</i>	<i>53.5</i>		<i>-1.5</i>	<i>53.0</i>		<i>2</i>
<i>40</i>	<i>RTR 150</i>	<i>11.2</i>	<i>12.2</i>	<i>0</i>	<i>11.2</i>		<i>1</i>
	<i>SV. 805</i>	<i>11.5</i>	<i>12.5</i>	<i>+1.1</i>	<i>11.6</i>		
<i>50</i>	<i>SV. 493</i>	<i>10.2</i>	<i>12.9</i>				<i>3</i>
	<i>SV. 497</i>	<i>10.2</i>	<i>12.8</i>	<i>+1.1</i>	<i>10.3</i>		
<i>60</i>	<i>NZ 62855</i>	<i>49.3</i>		<i>-1.0</i>	<i>49.3</i>		<i>5</i>
	<i>NZ 98256</i>	<i>50.1</i>		<i>-5</i>	<i>49.6</i>		
<i>75</i>	<i>RTR 37572</i>	<i>9.9</i>	<i>12.7</i>				<i>4</i>
	<i>NZ 165868</i>	<i>4.12</i>	<i>12.3</i>				

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

*#3 Not closed tightly*



## NETS, ETC., USED

[illegible]

11-5314

## NOTES

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C + G S  
5202

Station No. 11 112

Date: 11

191 1

Hour: 942 a . M. to 10 05 a . M.

Position: Lat. do Long. do

Locality: do

Depth: 335 m Bottom: Sample:

Wind: Direction, W.N.W. Force, 1

Sea: Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
3	SV. 429	13.5		-.02	13.48	✓	
	NZ 71738	13.2		-.05	13.15		
	NZ 98260	13.57		-.05	13.52		
11	KTR 150	13.2	13.0	0.0	13.2		
	SV. 805	13.2	13.5	+1.1	13.3		
11	SV. 493	13.2	13.6		13.2		
	SV 497	13.2	13.5		13.2		
	NZ 62855	55.0		-1.00	54.00		
	NZ 98256	55.0		-.05	54.95		5
	KTR 37572	13.4	13.6				
	NZ. 165868	13.3	13.3				4

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314



Date: 7/6/12 1916

Hour: 11<sup>00</sup> A . M. to . . . . . M.

Position: Lat.  $33^{\circ}49'35''$  Long.  $120^{\circ}2'55''$

Locality: Santa Rosa Id.

Depth: \_\_\_\_\_ Bottom: \_\_\_\_\_ Sample: \_\_\_\_\_

Wind: Direction, WNW Force, 3

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:

11-5314



1916

Hour: 12<sup>00</sup> . M. to 1<sup>00</sup> P. M.

Position: Lat.  $33^{\circ} 51' 40''$  Long.  $120^{\circ} 1' 15''$

Locality: Santa Rosa Id.

Depth: Bottom: Sample:

Wind: Direction, *WNW* Force, *3*

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

Lying to.

## NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

## NOTES

1.00 P. 13.6 0 meters  
 SV 429

13.55  
      

C + GS

5:00:22

Lying to

Station No. A 7705 Date: 7 Nov 12 191

Hour: 2<sup>00</sup> P. M. to . . . . . M.

Position: Lat.  $33^{\circ} 56' 40''$  Long.  $119^{\circ} 55' 50''$

Locality: Santa Cruz Channel

Depth: Bottom: Sample:

Wind: Direction, WNW Force, 2

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV 429	13.5		-.02	13.48		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

**Transparency:**

REMARKS:





Station No. *H 7706* Date: *7 Nov. 12* 191

Hour: 2<sup>30</sup> P. M. to . M.

Position: Lat.  $33^{\circ}59'20''$  Long.  $119^{\circ}56'46''$

Locality: Santa Cruz Channel

Depth: Bottom: Sample:

Wind: Direction, WNW Force, 2

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

### TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:      •      Transparency:

REMARKS:







Station No. *H 7708* Date: *July 12* 191*6*

Hour: 330 P . M. to . M.

Position: Lat.  $34^{\circ} 1' 5''$  Long.  $120^{\circ} 1' 50''$

Locality: *Beach near Santa Rosa Id.*

Depth: Bottom: Sample:

Wind: Direction, WNW Force, 2

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV 429	13.6		-0.2	13.4		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

Anchorage

## NETS, ETC., USED

[illegible]

11—5314

## NOTES

Nov. 13

815 - 12.6  
0 meters SV 429. 12.58

C4G5  
5202

anchorage

Station No. H 7709 Date: Nov. 13 1916

Hour: 9<sup>15</sup> A . M. to . M.

Position: Lat.  $34^{\circ} 2' 55''$  Long.  $119^{\circ} 58' 5''$

Locality: Santa Cruz Island

Depth: Bottom: Sample:

Wind: Direction, NE Force, 6

Sea: Sky:

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV429	12.4		-0.02	12.38		

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:





Date: 7 Nov. 13 1916

Hour: 10<sup>30</sup> a . M. to . M.

Position: Lat.  $34^{\circ} 2' 50''$  Long.  $119^{\circ} 54' 40''$

Locality:

Depth: \_\_\_\_\_ Bottom: \_\_\_\_\_ Sample: \_\_\_\_\_

Wind: Direction, *NE* *NE* Force, *6*

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11-5814

anchorage

## NETS, ETC., USED

[illegible]

11—5314

## NOTES

# Anchorage

9 am Nov. 14

Temp. 12.75 12.73

0 mutine SV 429

C 4 G 5

5202

Station No. H 7711 Date: Nov 14 1916

Hour: 10<sup>00</sup> a. M. to . M.

Position: Lat.  $34^{\circ} 6' 10''$  Long.  $119^{\circ} 55' 5''$

Locality: Santa Cruz Channel

Depth: Bottom: Sample:

Wind: Direction, E N E Force, 2

Sea: \_\_\_\_\_ Sky: \_\_\_\_\_

## TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	SV 429	12.45		-0.02	12.43		

## CURRENTS

[illegible]

Color of water: Transparency:

REMARKS:

11—5314



Station No. *H 7712* Date: *Nov. 14* 191*6*

Hour: 10<sup>30</sup> A. M. to . M.

Position: Lat.  $34^{\circ} 6' 15''$  Long.  $119^{\circ} 51' 20''$

Locality: N.E. of Santa Cruz Id.

Depth: 100 Bottom: 100 Sample: 100

Wind: Direction, ENE Force, 2

Sea: Sky:

## TEMPERATURES

[illegible]

## CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:



Station No. *H 7713* Date: *Nov. 14* 191*6*

Hour: 11<sup>00</sup> A. M. to . M.

Position: Lat.  $34^{\circ}6'5''$  Long.  $119^{\circ}47'10''$

Locality: Rocky Creek, 10 miles S. of ...

Depth: Bottom: Sample:

Wind: Direction, E NE Force, 1

Sea: Sky:

## TEMPERATURES

[illegible]

## CURRENTS

[illegible]

Color of water: Transparency:

REMARKS:

11-5314





Station No. 47714 Date: Nov 14 1916

Hour: 11<sup>40</sup> a. M. to 11<sup>58</sup> a. M.

Position: Lat. 34° 6' 50" Long. 119° 43' 50"  
 to 34° 7' 55" 119° 44' 35"  
 Locality: North of Santa Cruz Is.

Depth: 195 fms Bottom: Sample:

Wind: Direction, ENE Force, 1

Sea: Sky:

#### TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
60	M2 71738 R	50.1	—	—	50.1		# 2
	M2 98260	50.2	—	-.5	49.7		
90	RTA 150 R	9.6	10.9	0.0	9.6		# 1
	SV 805 L	9.7	10.8	+1.1	9.8		
100	SV 493 R	9.5	11.0				# 3
	SV 497 L	—	11.1				
125	M2 62855 R	49.5	—	1.0	48.5		# 5
	M2 98256 L	49.6	—	—	49.6		
150	RTA 37572 R	8.7	11.0				# 4
	M2 165868 L	8.5	11.0				

#### CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

*Bahr*

NETS, ETC., USED

## NOTES

Griff N 28 1/2 W (True)  
1.3 mi.

Station No. *H 9710* Date: *Nov 14* 191*6*

Hour: *11:50* A. M. to *12:15* P. M.

Position: Lat. *do* Long. *do*

Locality: *mouth of Santa Cruz Rd.*

Depth: *15 fms* Bottom: Sample:

Wind: Direction, *ENE* Force, *1*

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>7 fms</i>							
	<i>N2 71738 R</i>	<i>53.0</i>	<i>—</i>	<i>—</i>	<i>53.0</i>		
	<i>N2 98260 A</i>	<i>53.0</i>	<i>—</i>	<i>—</i>	<i>53.0</i>		
	<i>KTR 150 R</i>	<i>11.1</i>	<i>10.5</i>	<i>—</i>	<i>11.1</i>		
	<i>SV 805 A</i>	<i>11.0</i>	<i>10.1</i>	<i>+ .1</i>	<i>11.1</i>		
	<i>SV 493</i>	<i>10.90</i>	<i>10.15</i>				
	<i>SV 497</i>	<i>—</i>	<i>10.15</i>				
	<i>N2 6255 A</i>	<i>51.1</i>	<i>—</i>	<i>— .1</i>	<i>51.0</i>		
	<i>N2 98256 A</i>	<i>51.1</i>	<i>—</i>	<i>— .5</i>	<i>51.5</i>		
	<i>KTR 37572 R</i>	<i>10.14</i>	<i>11.6</i>				
	<i>N2 165868 A</i>	<i>10.14</i>	<i>11.8</i>				

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11-5314

## NETS, ETC., USED

[illegible]

11—5314

## NOTES

Last bottle down - 12<sup>01</sup>  
 Messenger " - 12<sup>35</sup>  
 Last bottle up - 12<sup>45</sup>

Station No. *A 7714* Date: *Nov 14* 191

Hour: *1246 P.* M. to *100 P.* M.

Position: Lat. *do* Long. *do*

Locality: *North of Santa Cruz Id.*

Depth: *1957ms* Bottom: Sample:

Wind: Direction, *NNW* Force, *1*

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>SV 429</i>	<i>12.5</i>		<i>-02</i>	<i>12.48</i>		
<i>5</i>	<i>N2 71738 R 53.5</i>	<i>—</i>	<i>—</i>	<i>-8</i>	<i>52.7</i>	<i>#2</i>	
	<i>N2 98260 A 54.1</i>	<i>—</i>	<i>—</i>	<i>-5</i>	<i>53.5</i>		
<i>10</i>	<i>RTr. 150 R 11.6</i>	<i>11.8</i>	<i>11.8</i>	<i>00</i>	<i>11.6</i>	<i>#1</i>	
	<i>SV 805 A 11.63</i>	<i>11.8</i>	<i>11.8</i>	<i>+1</i>	<i>11.73</i>		
<i>15</i>	<i>SV 493 R 11.6</i>	<i>12.0</i>	<i>11.9</i>			<i>#3</i>	
	<i>SV 497 A —</i>	<i>11.9</i>					
<i>20</i>	<i>N2 62855 R 53.2</i>	<i>—</i>	<i>—</i>	<i>-10</i>	<i>52.2</i>	<i>#5</i>	
	<i>N2 98260 A 53.2</i>	<i>—</i>	<i>—</i>	<i>-5</i>	<i>52.7</i>		
<i>25</i>	<i>RTr. 37572 R 11.85</i>	<i>11.8</i>				<i>#4</i>	
	<i>N2 165868 A 11.52</i>	<i>11.9</i>					

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

*Blaker*



Surf

5

10

15

20

25

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60

75

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100

100

125

200

150

300

175

400

200

500

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600

700

800

900

1000

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2.15

13 1/2

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2.28 1/2